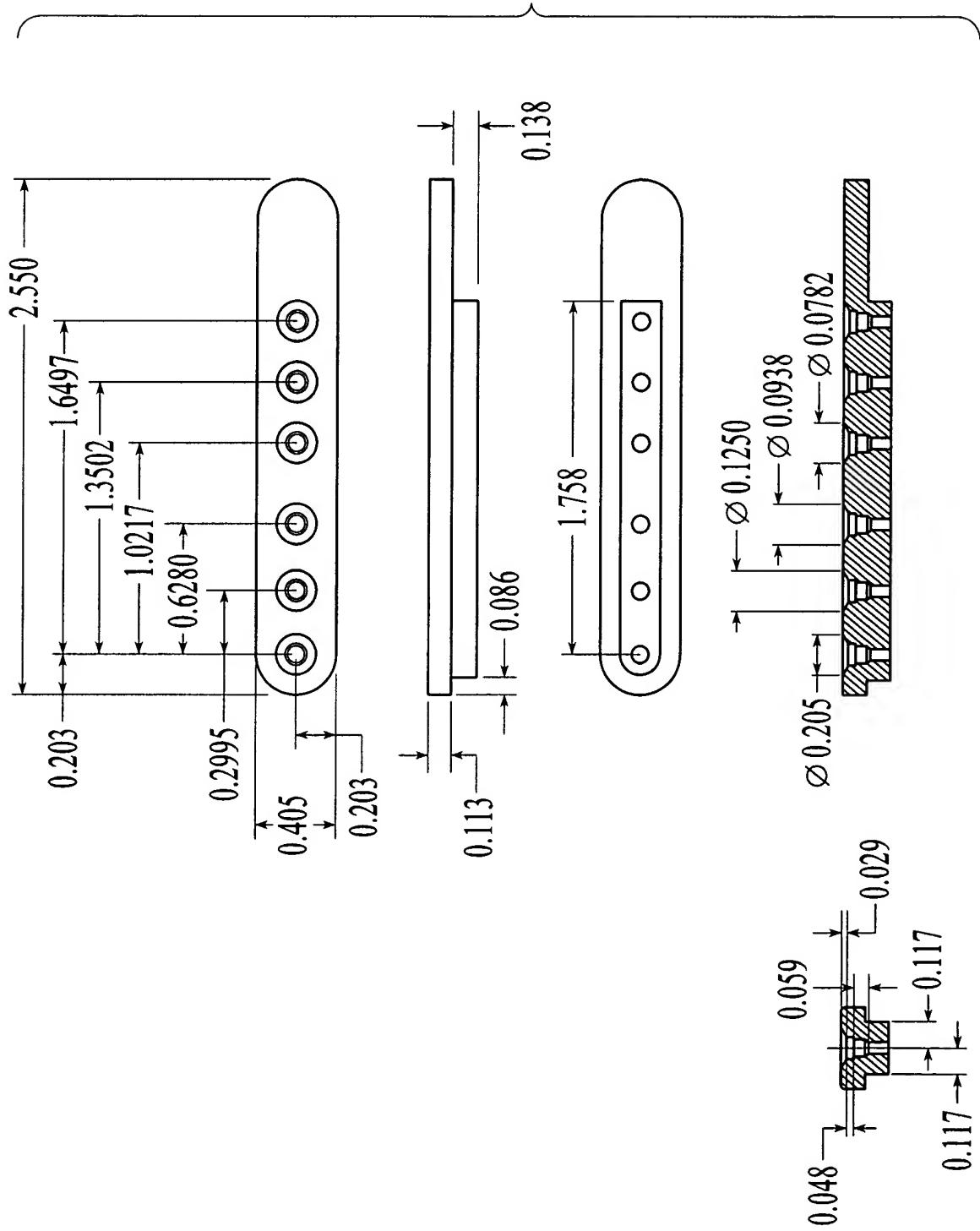
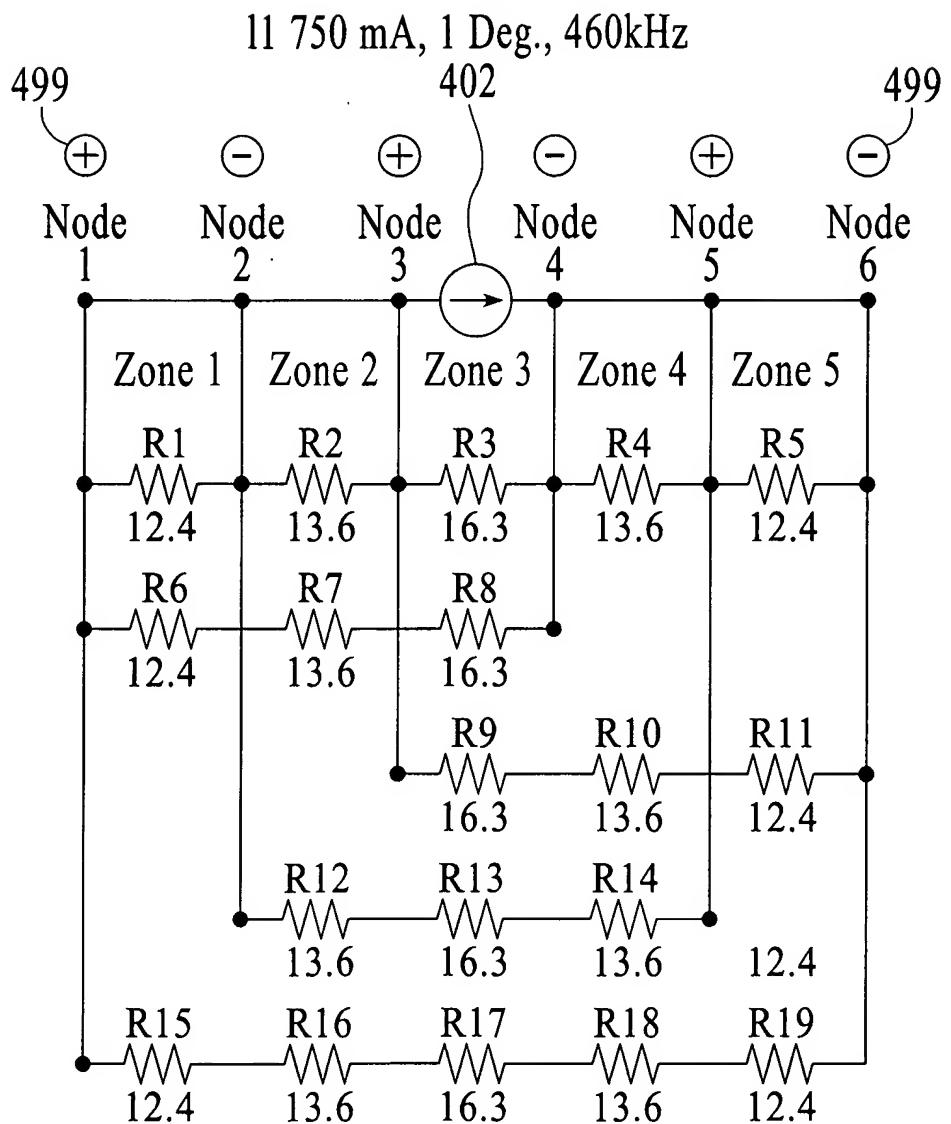


FIG.3





400 →

FIG.4A

R1 219.5 mW	R2 200.1 mW	R3 167 mW	R4 200.1 mW	R5 219.5 mW
R6 18.86 mW	R7 20.69 mW	R8 24.79 mW	R9 24.79 mW	R11 18.86 mW
0 deg	0 deg			0 deg
		R10 20.69 mW	R14 19.56 mW	
R12 19.56 mW	R13 23.45 mW	R17 9.51 mW	R18 19.56 mW	R19 7.235 mW
R15 7.235 mW	R16 7.935 mW	0 deg	0 deg	0 deg
0 deg	0 deg			

450

FIG.4B

480  $\sim$  Values with Balanced Circuit

	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
219.5	200.1	167	200.1	219.5	
18.86	20.69	24.79	20.69	18.86	
7.235	19.56	24.79	19.56	7.235	
	7.935	23.45	7.935		
		9.51			

482  $\sim$  Total Power per Zone 245.595 248.285 249.54 248.285 245.595

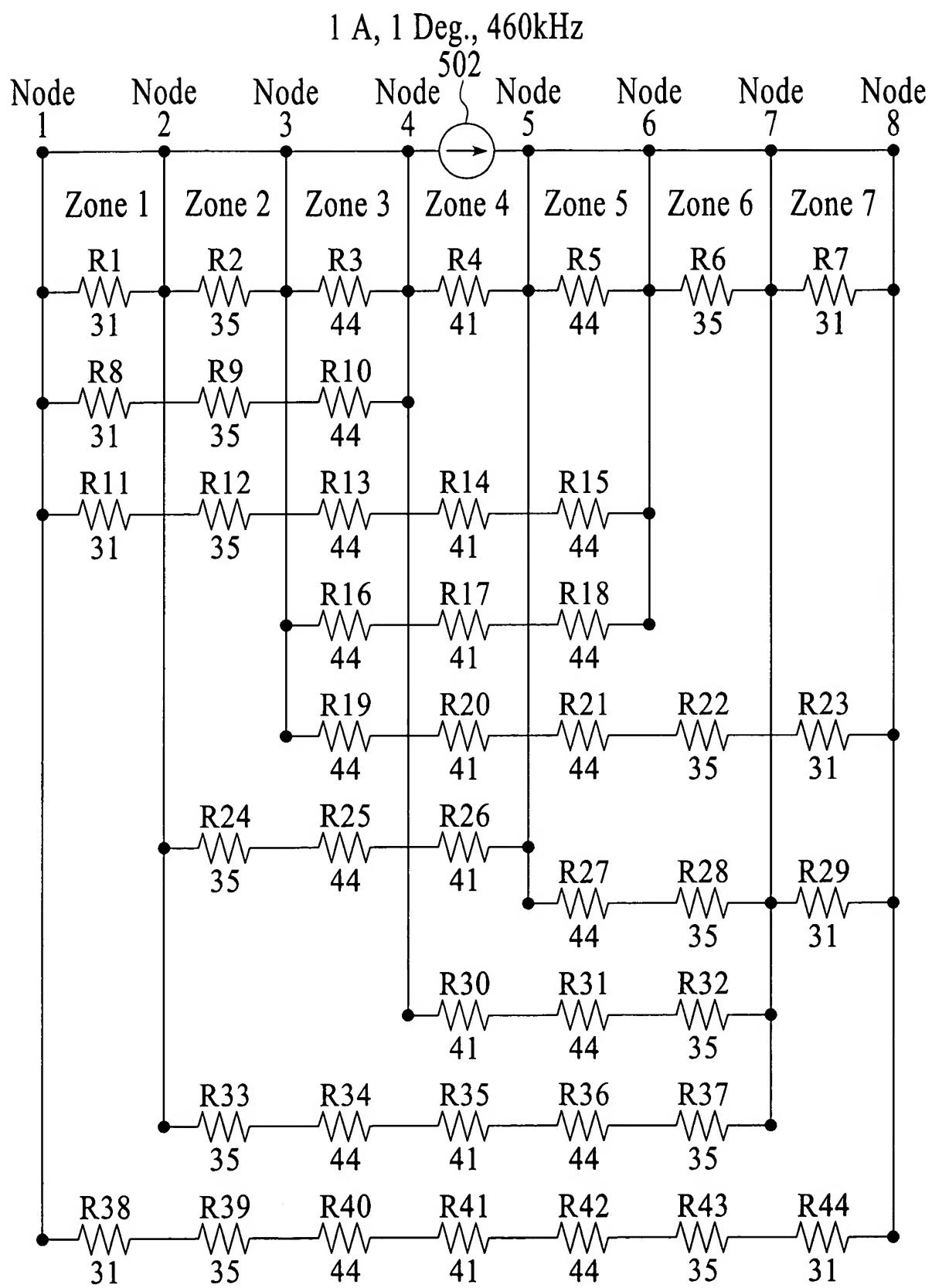
% Error per Zone 0 -1.095299 -1.606303 -1.095299 0

"Spacing" Value per Zone 12.4 13.6 16.3 13.6 12.4

"Spacing" Ratio per Zone 1.00 1.097 1.315 1.097 1.00

"Spacing" Ratio per Zone 0.760736 0.834356 1 0.834356 0.760736 4.190184

FIG.4C



500 →

FIG.5A

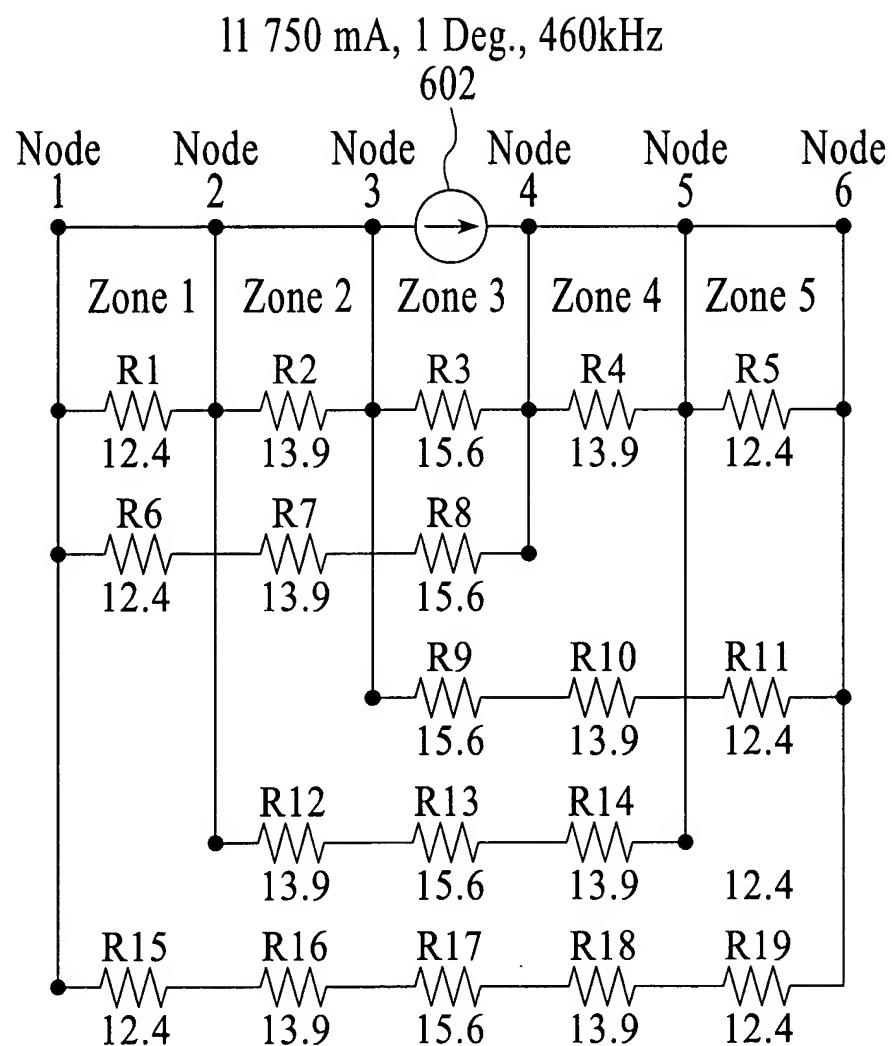
R1 503.1 mW	R2 445.6 mW	R3 354.5 mW	R4 380.4 mW	R5 354.5 mW	R6 445.6 mW	R7 503.1 mW
R8 39.96 mW	R9 45.11 mW	R10 56.71 mW		0 deg	0 deg	0 deg
R11 12.71 mW	R12 14.36 mW	R13 18.05 mW	R14 16.82 mW	R15 18.05 mW	R16 41.24 mW	R17 38.43 mW
0 deg	0 deg	R16 41.24 mW	R17 38.43 mW	R18 41.24 mW	R19 18.05 mW	R20 16.82 mW
R19 18.05 mW	R20 16.82 mW	R21 18.05 mW	R22 14.36 mW	R23 12.71 mW		
R24 37.91 mW	R25 47.65 mW	R26 44.41 mW	0 deg	0 deg	R27 56.71 mW	R28 45.11 mW
0 deg	0 deg	0 deg			R31 47.65 mW	R32 37.91 mW
R30 13.78 mW	R34 17.33 mW	R35 16.15 mW	R36 17.33 mW	R37 13.78 mW		
R39 7.097 mW	R40 10.07 mW	R41 9.387 mW	R42 10.07 mW	R43 10.07 mW	R44 8.013 mW	
0 deg						

FIG. 5B

## 580 ~ Values with Balanced Circuit

	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7
503.1	445.6	354.5	380.4	354.5	445.6	445.6	503.1
39.96	45.11	56.71	16.82	18.05	14.36	14.36	12.71
12.71	14.36	18.05	38.43	41.24	45.11	45.11	39.96
7.097	37.91	41.24	16.82	18.05	37.91	37.91	7.097
	13.78	18.05	44.41	56.71	13.78		
	8.013	47.65	44.41	47.65	8.013		
		17.33	16.15	17.33			
		10.07	9.387	10.07			
582 ~ Total Power per Zone	562.87	564.77	563.60	566.83	563.60	564.77	562.87
% Error per Zone	0.00	0.34	0.13	0.70	0.13	0.34	0.00
"Spacing" Value per Zone	31	35	44	41	44	35	31
584 ~ "Spacing" Ratio per Zone	1.000	1.129	1.419	1.323	1.419	1.129	1.000
586 ~ "Spacing" Ratio per Zone	0.704545	0.795455	1	0.931818	1	0.795455	0.704545

FIG.5C



600 →

FIG.6A

R1 219.5 mW	R2 195.7 mW	R3 174.4 mW	R4 195.7 mW	R5 219.4 mW
R6 19.21 mW	R7 21.54 mW	R8 24.17 mW	0 deg	0 deg
R12 20.08 mW	R13 22.53 mW	R9 24.17 mW	R10 21.54 mW	R11 19.21 mW
R15 7.235 mW	R16 8.13 mW	R17 9.124 mW	R14 20.08 mW	R19 7.253 mW
R1 1.649 mV	R2 1.649 mV	R3 1.649 mV	R18 8.13 mW	R5 1.649 mV
133 mA	105.7 mA	105.7 mA	0 deg	133 mA
R6 488.1 mV	R7 547.2 mV	R8 614.1 mV	R4 1.649 mV	R11 488.1 mV
39.36 mA	39.36 mA	39.36 mA	118.7 mA	39.36 mA
R12 528.3 mV	R13 592.9 mV	R9 614.1 mV	R10 547.2 mV	R19 299.9 mV
38 mA	38 mA	39.36 mA	39.36 mA	24.18 mA
R15 299.9 mV	R16 336.2 mV	R17 377.3 mV	R14 528.3 mV	R11 488.1 mV
24.18 mA	24.18 mA	24.18 mA	38 mA	39.36 mA

650

FIG.6B

## 680 ~ Values with Balanced Circuit

	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
133	118.7	105.7	118.7	133	
39.36	39.36	39.36	39.36	39.36	
24.18	38	39.36	38	24.18	
	24.18	38	24.18		
		24.18			
Total Current per Zone	196.54	220.24	246.6	220.24	196.54
"Spacing" Value per Zone	12.4	13.9	15.6	13.9	12.4
682 ~ Current Density per Zone	15.85	15.8446	15.80769	15.8446	15.85
% Error	0.0	0.0	0.3	0.0	0.0
684 ~ "Spacing" Ratio per Zone	1.00	1.12	1.26	1.12	1.00
686 ~ "Spacing" Ratio per Zone	0.79	0.89	1.00	0.89	0.79

FIG.6C

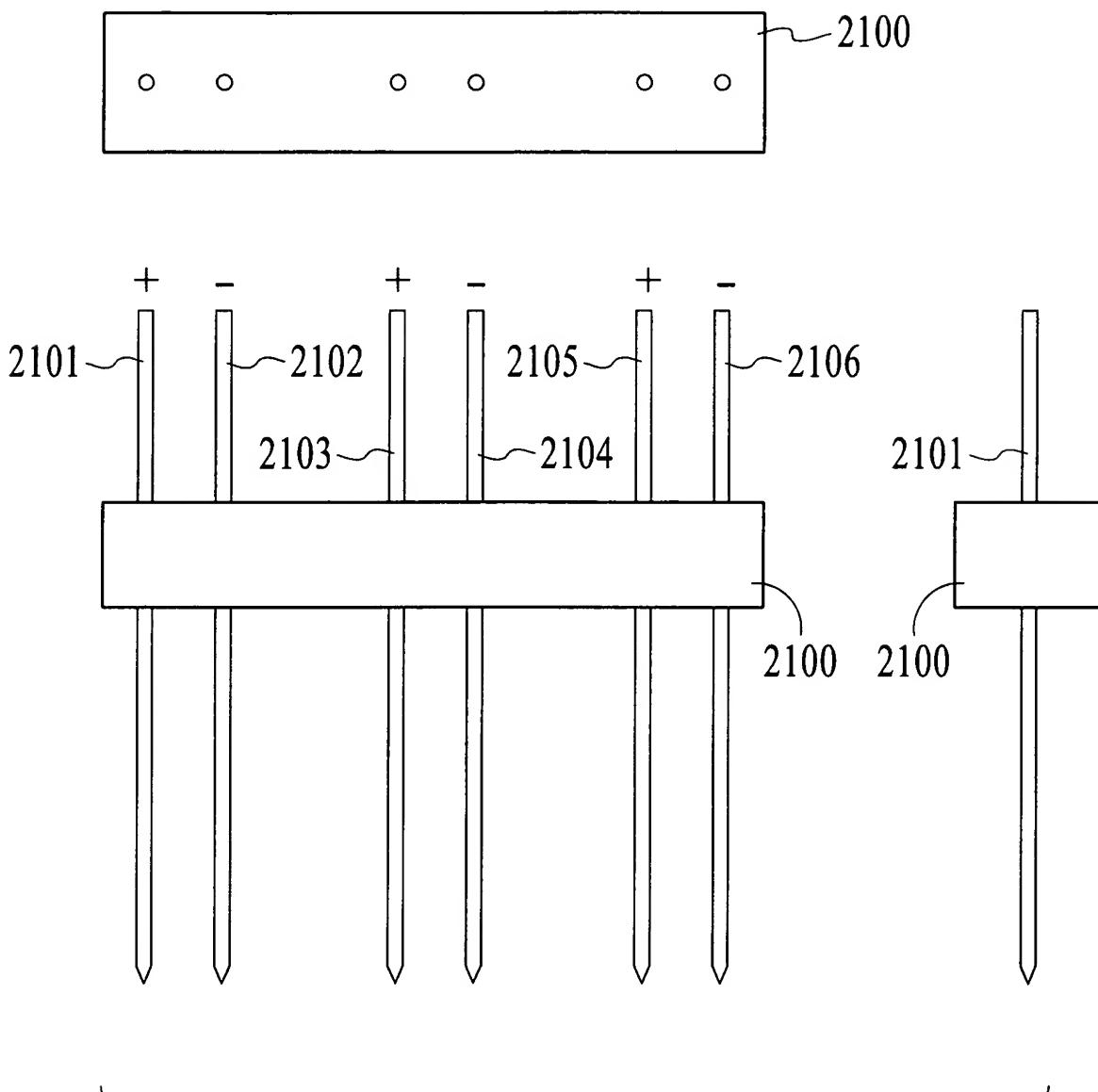


FIG.7

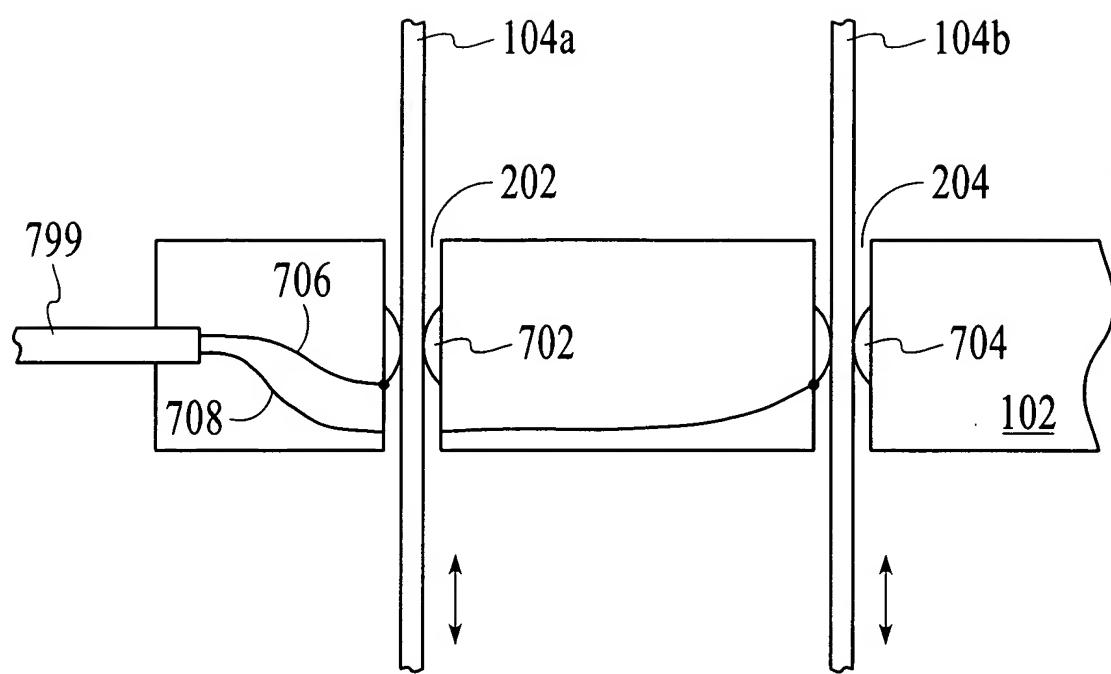


FIG.8

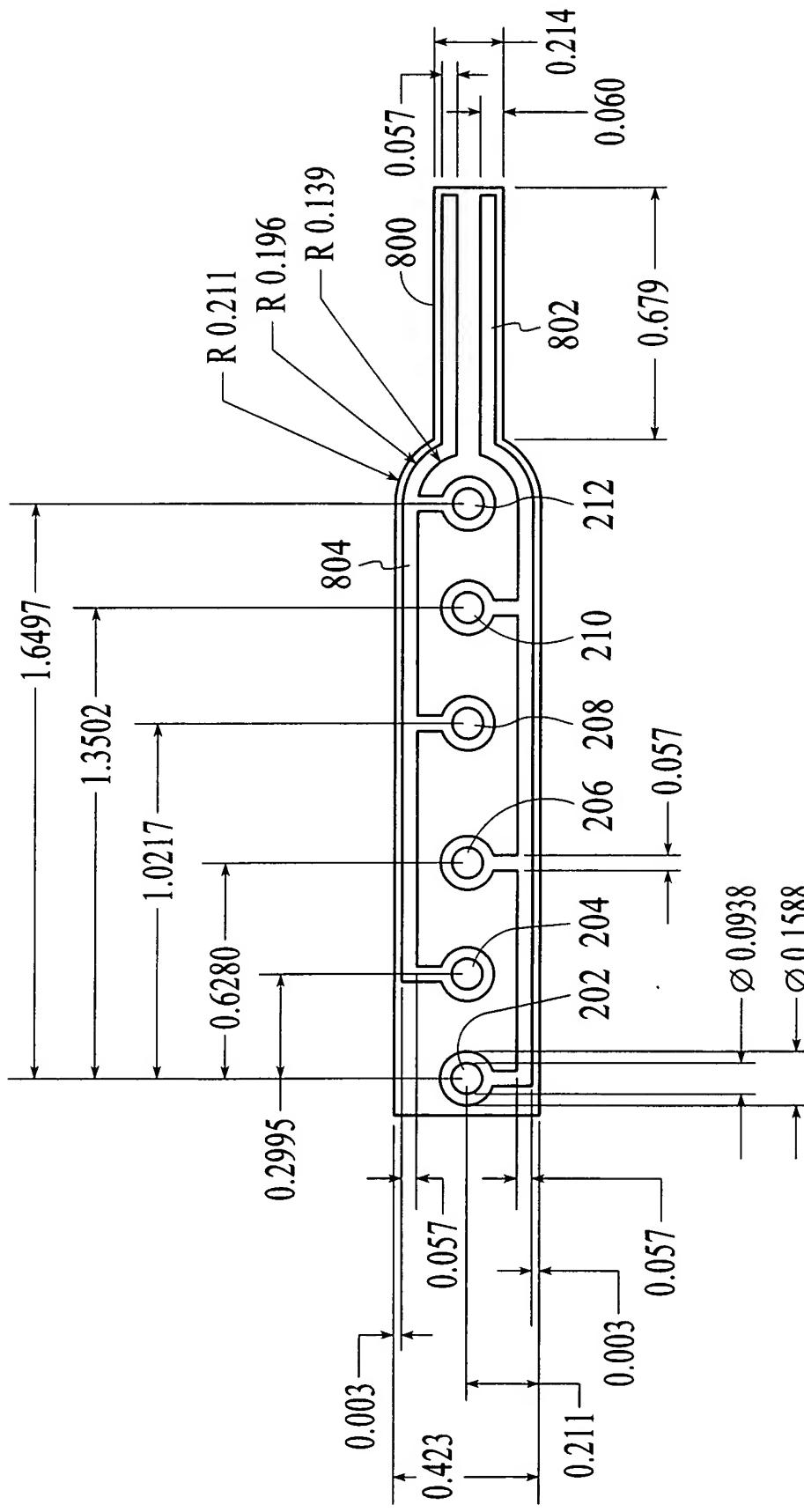


FIG. 9

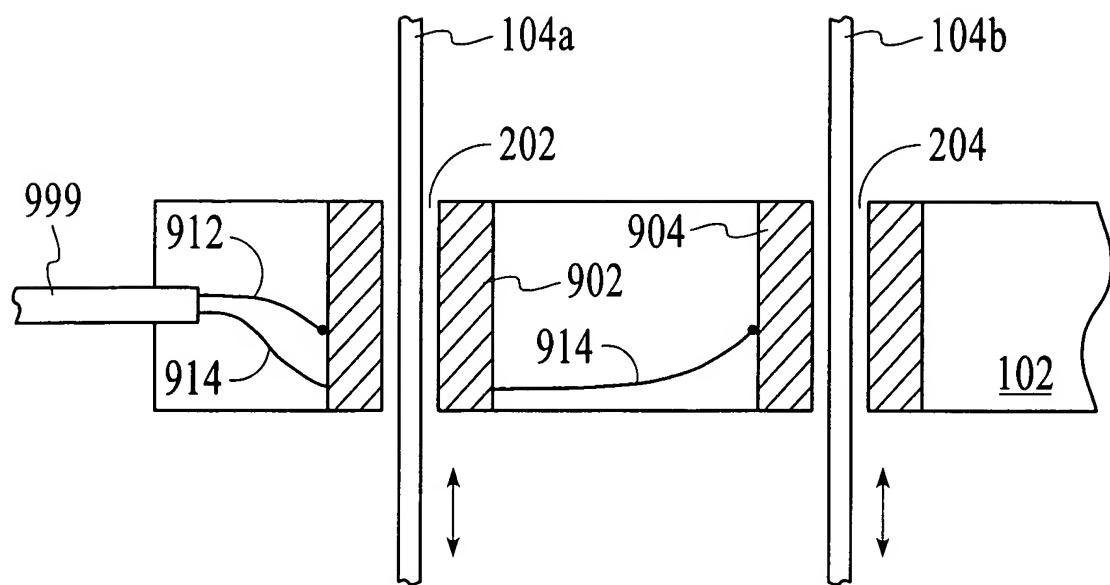


FIG.10

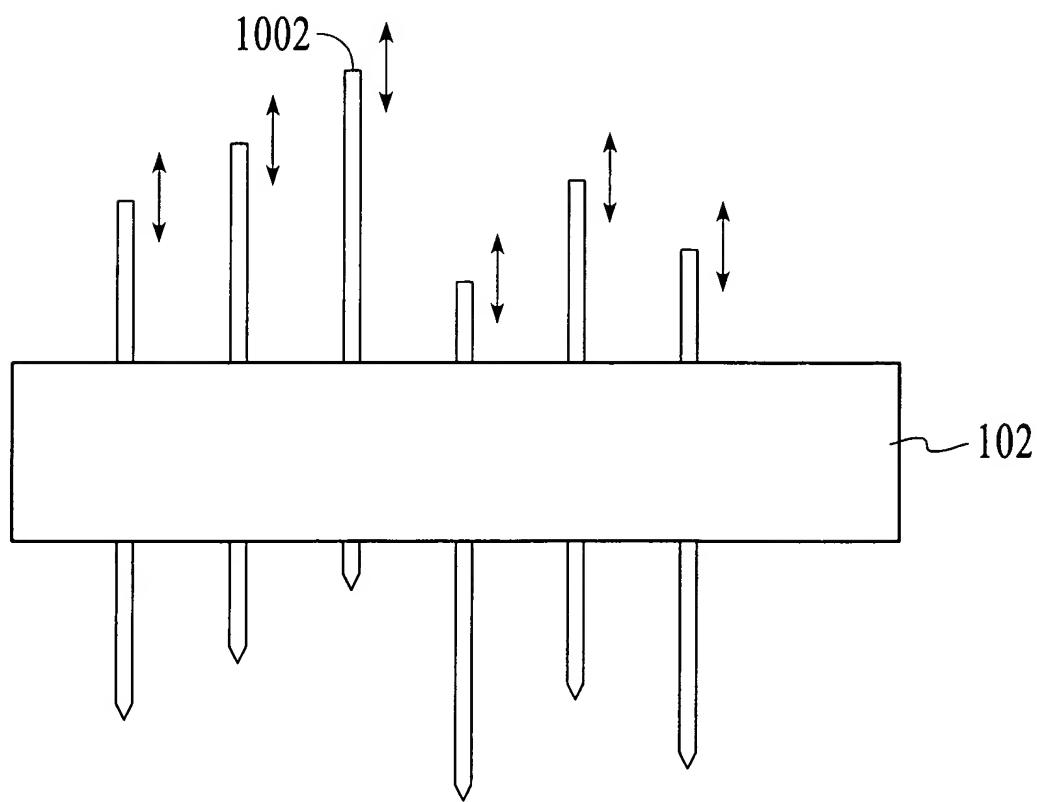


FIG.11

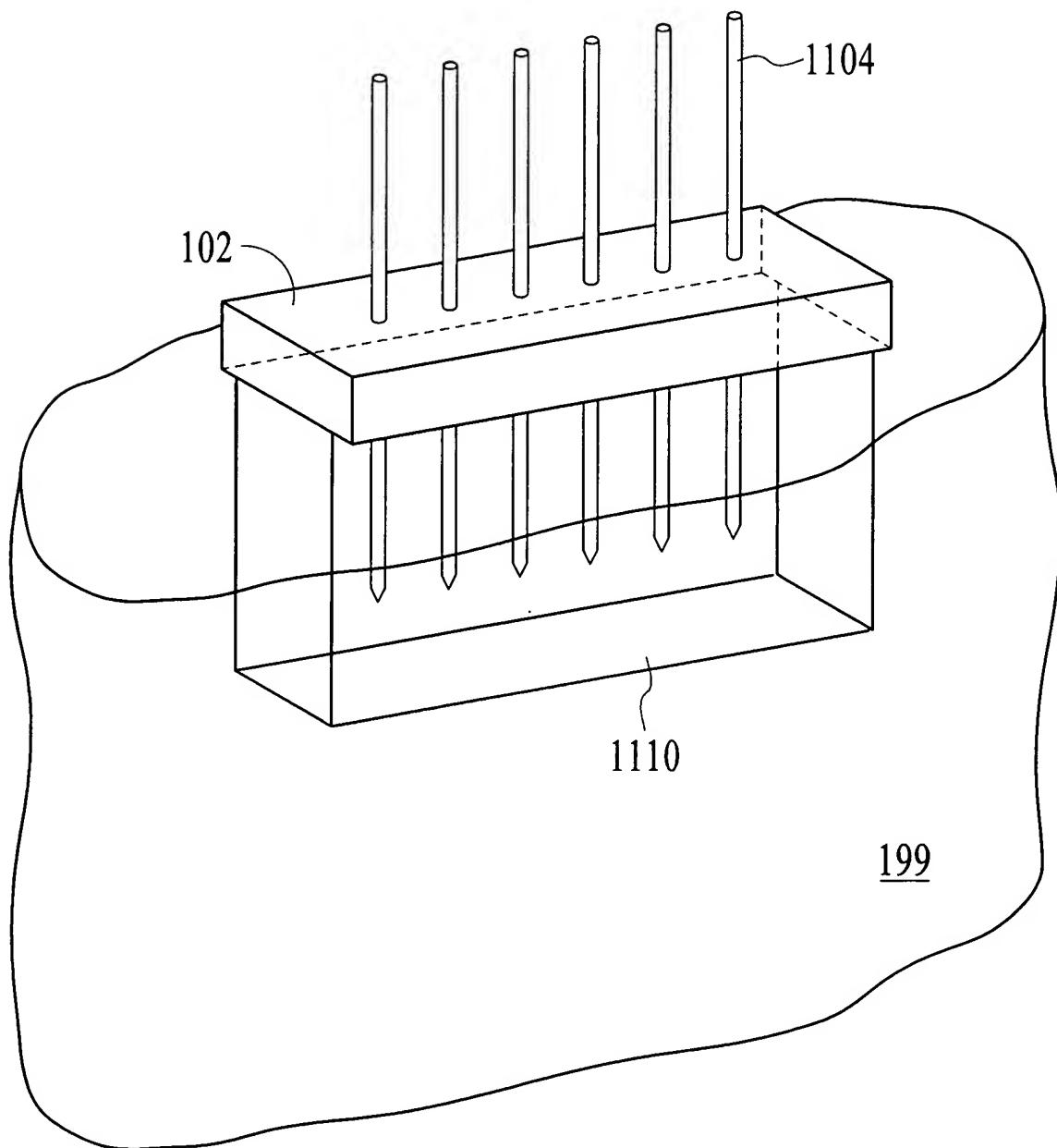


FIG.12

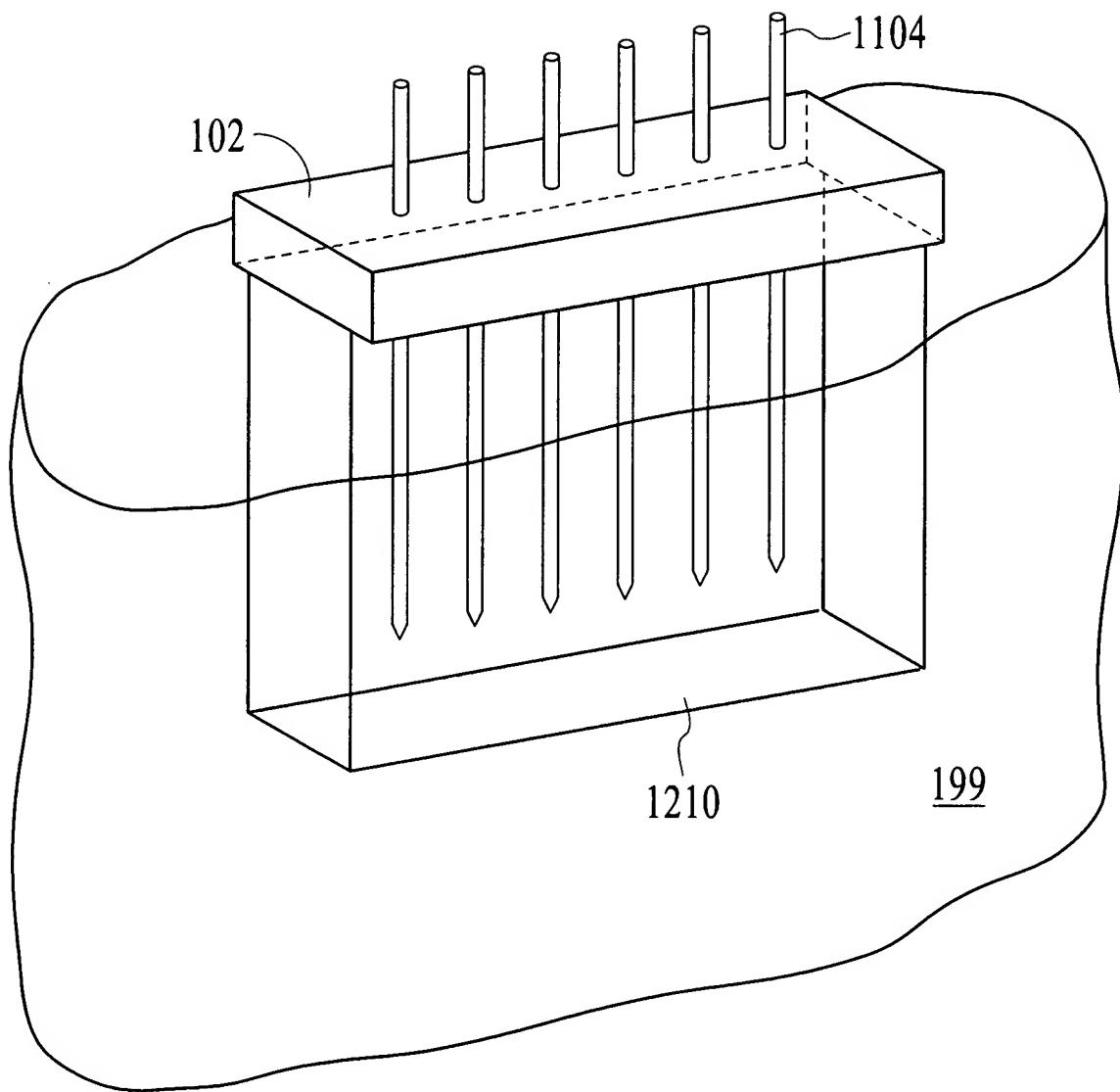


FIG.13

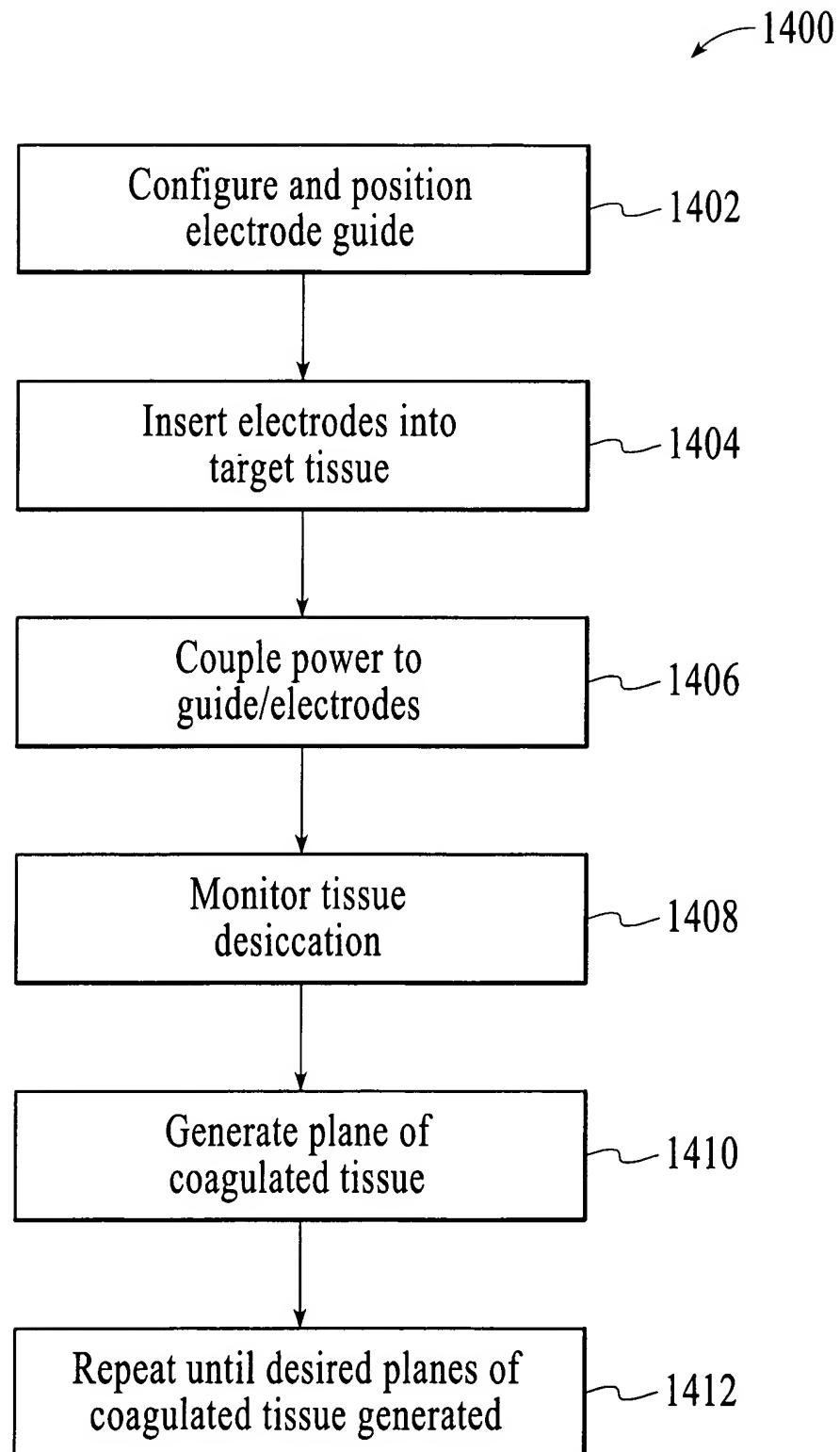


FIG.14

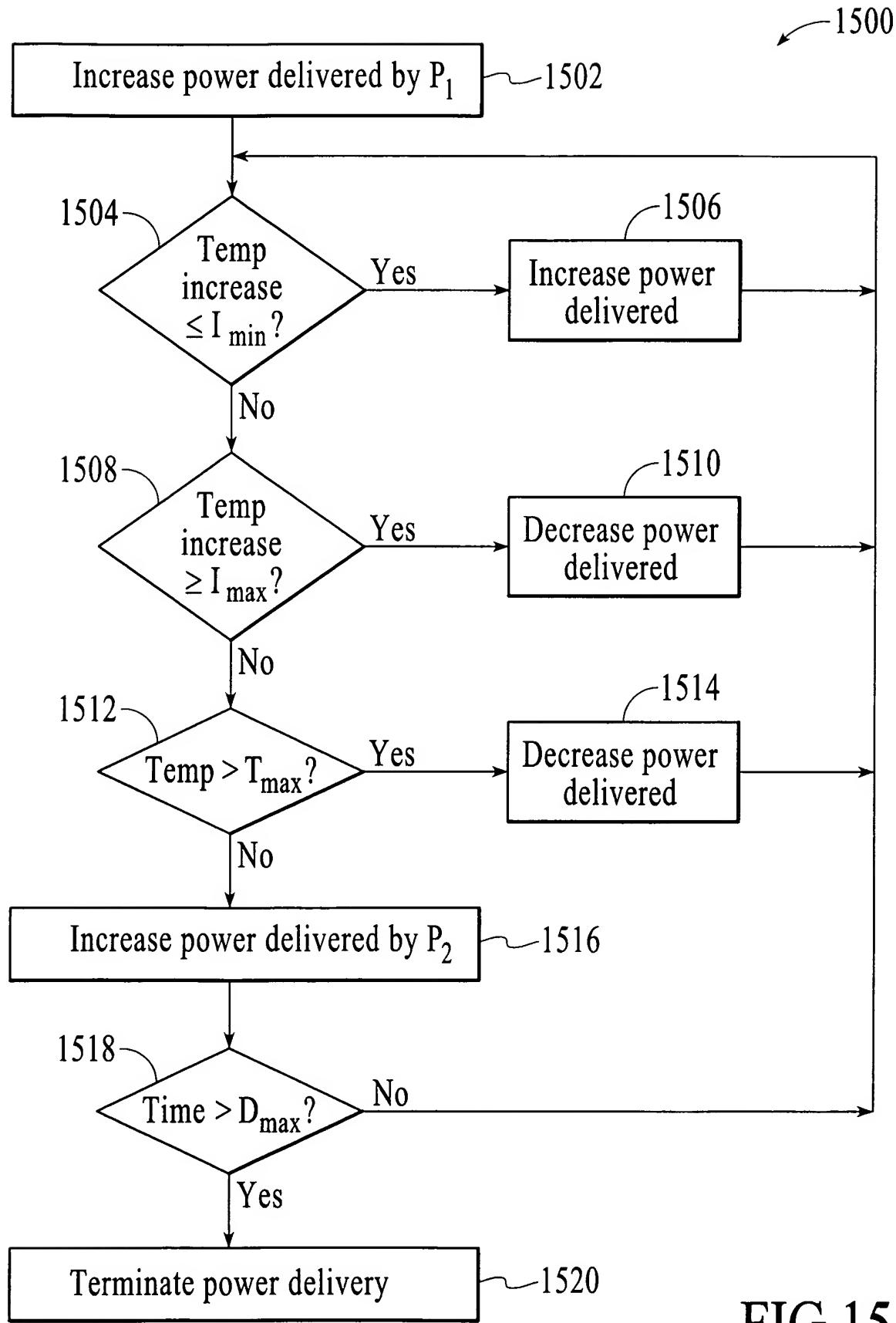


FIG.15

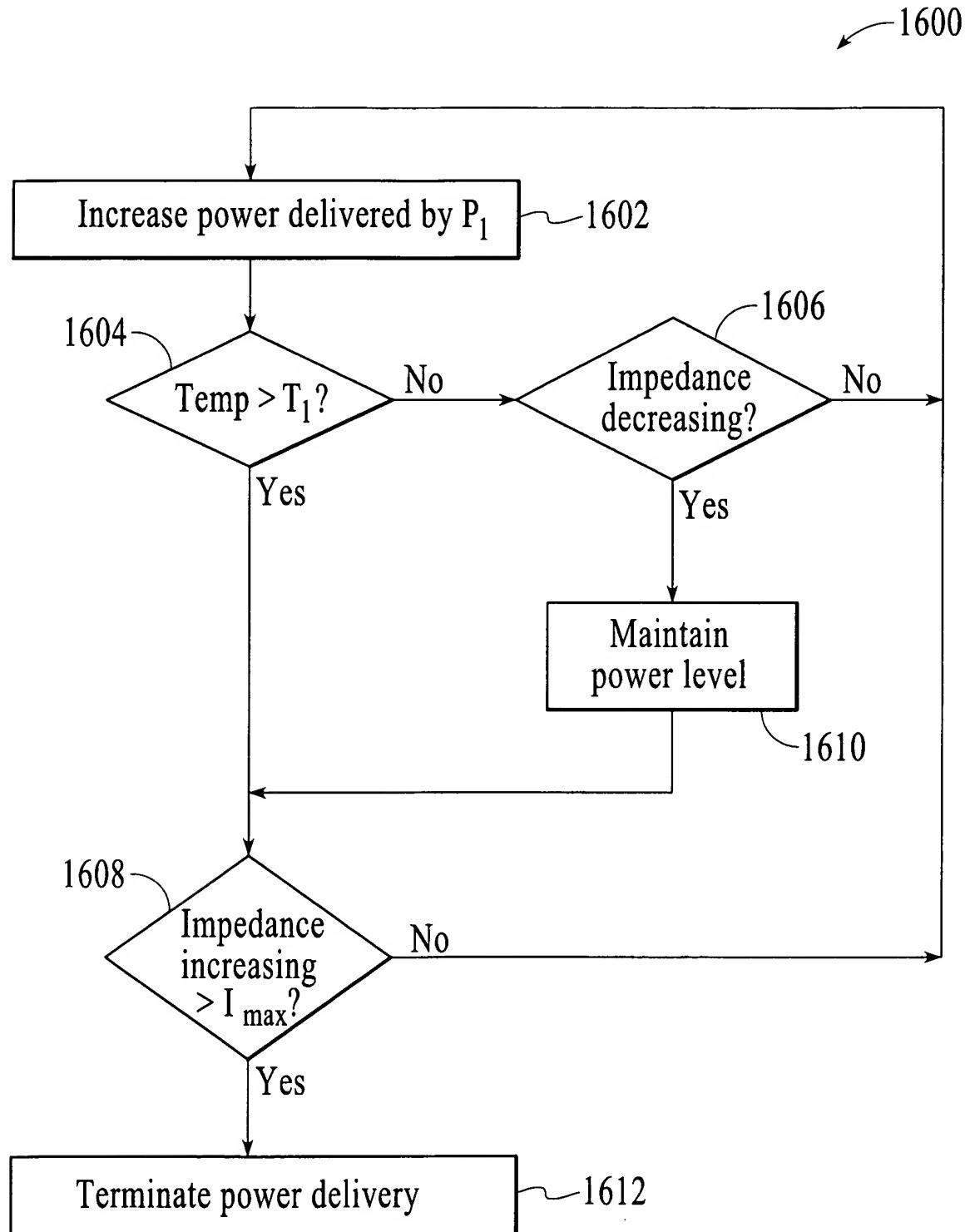


FIG.16

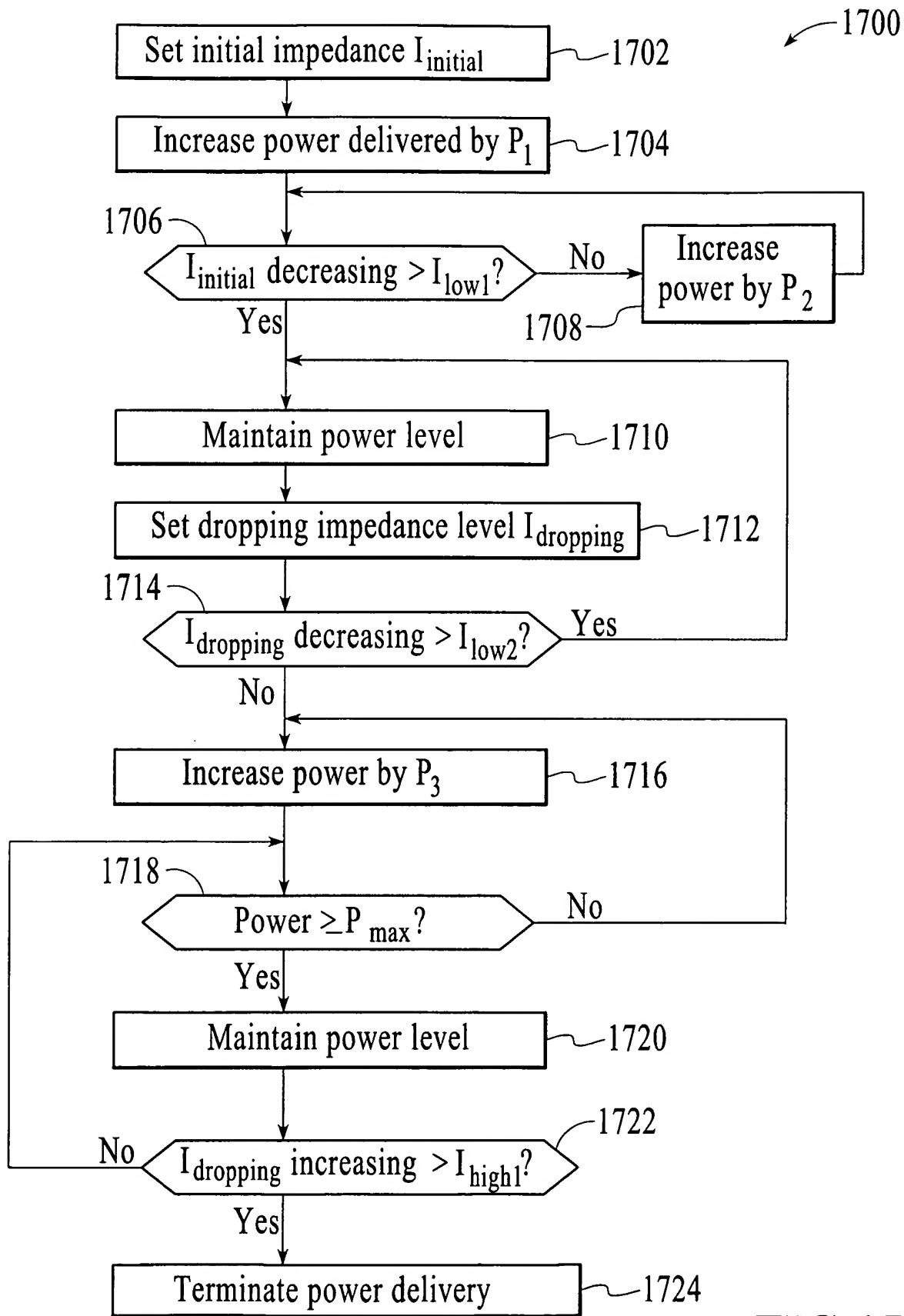


FIG.17

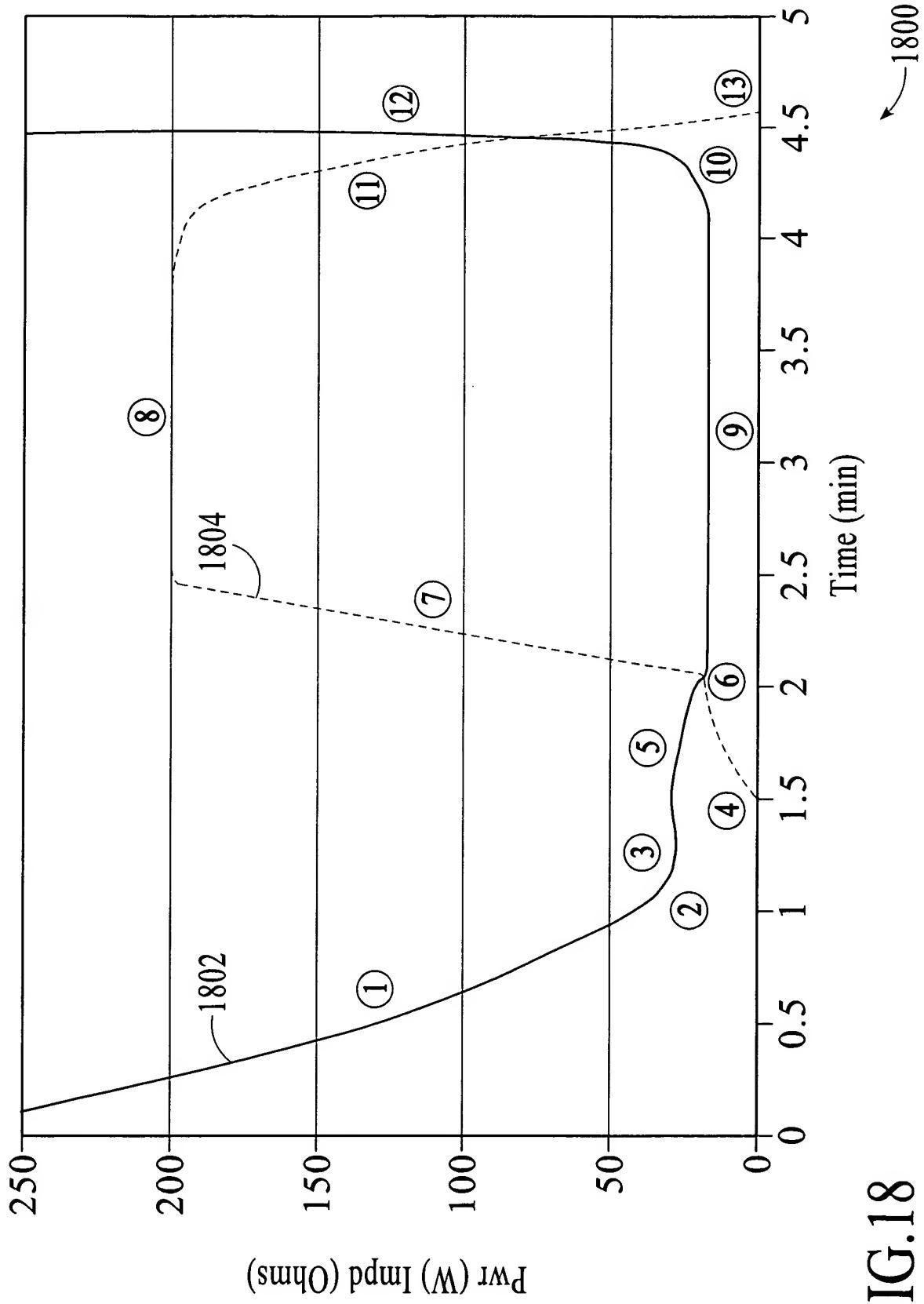


FIG. 18

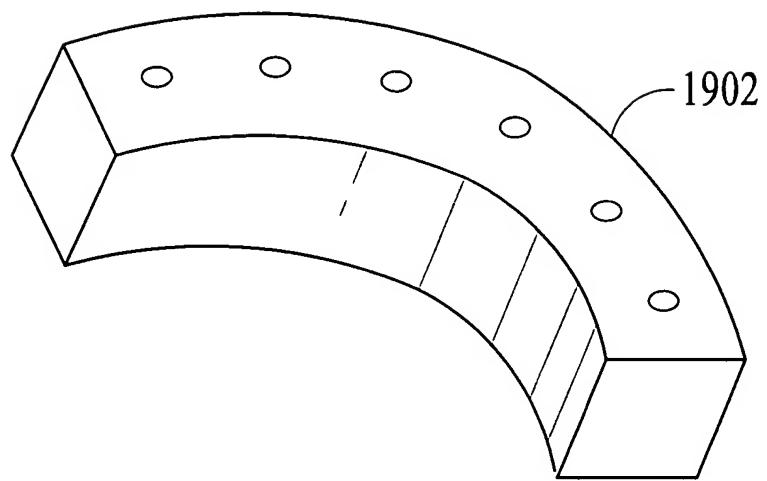


FIG.19

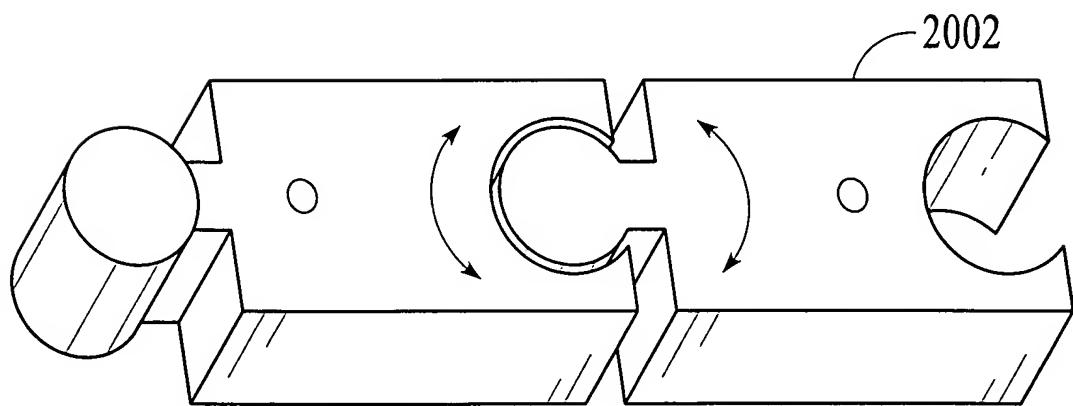


FIG.20

